

WHAT IS CLAIMED IS:

1. A network management system for managing a network system in which a first network and a second network which have the different address systems are connected to each other through an address translator, wherein each of said first and second networks has a node and a management protocol proxy; and each of said management protocol proxies includes a management protocol proxy data generating unit for treating, as management protocol proxy data, a transmission source address, a transmission destination address and data in a protocol data unit which are contained in a packet of a management protocol sent from the associated one of said nodes, and an address translation unit for translating the address information in the protocol data unit contained in the management protocol proxy data sent from the other management protocol proxy.
2. A network management system according to claim 1, wherein each of said management protocol proxies has address definition information in which the transmission destination address contained in the packet of the management protocol sent from the associated one of said nodes is made correspond to an address of the management protocol proxy of interest, and each of said management protocol proxy data generating units is adapted to determine an address of the management protocol proxy of the transmission

destination on the basis of the transmission destination address sent from the associated ones of said nodes and the address definition information.

3. A network management system according to claim 1, wherein with respect to the address definition information which said management protocol proxy of at least one network of said first or second network has, the address which is not defined in said address translation and the address of the associated one of said management protocol proxies are defined in such a way as to be made correspond to each other.

4. A network management system according to claim 2, wherein each of said management protocol proxies has an address translation rule in accordance with which the address translation information is defined, and each of said address translation units is adapted to translate the address information contained in the protocol data unit according to the management protocol on the basis of the address translation rule and an ASN.1 define statement of an MIB object becoming a subject of the translation.

5. A network management system for managing a network system in which a plurality of networks which have the different address systems are connected to one another through address translators, said network management system comprising:

a plurality of nodes and a plurality of management protocol proxies which are connected to said

networks, respectively,

wherein each of said management protocol proxies includes a management protocol proxy data generating unit for treating, as proxy data of a management protocol, a transmission source address, a transmission destination address and data in a protocol data unit which are contained in a packet according to a management protocol sent from the associated one of said nodes, and an address translation unit for translating address information in the protocol data unit contained in the proxy data of the management protocol sent from another management protocol proxy.

6. A management protocol processing method of processing a packet sent from a node to transmit the packet thus processed, said method comprising the steps of:

treating, as proxy data of a management protocol, a transmission source address, a transmission destination address and data in a protocol data unit which are contained in the packet according to the management protocol sent from said node; and

translating address information in a protocol data unit contained in the proxy data of the management protocol sent from another management protocol proxy.

7. For use in a computer readable storage medium in which the information of the processing, according to a management protocol, of processing a packet of the management protocol sent from a node to transmit the

packet thus processed, a method comprising the steps of:

treating, as proxy data of a management protocol, a transmission source address, a transmission destination address and data in a protocol data unit which are contained in the packet according to the management protocol sent from said node; and

translating address information in a protocol data unit contained in the proxy data of the management protocol sent from another management protocol proxy.

8. For use in a program for executing the processing of a management protocol, said program being adapted to process a packet of a management protocol sent from a node to transmit the packet thus processed, a method comprising the steps of:

treating, as proxy data of a management protocol, a transmission source address, a transmission destination address and data in a protocol data unit which are contained in the packet according to the management protocol sent from said node; and

translating address information in a protocol data unit contained in the proxy data of the management protocol sent from another management protocol proxy.